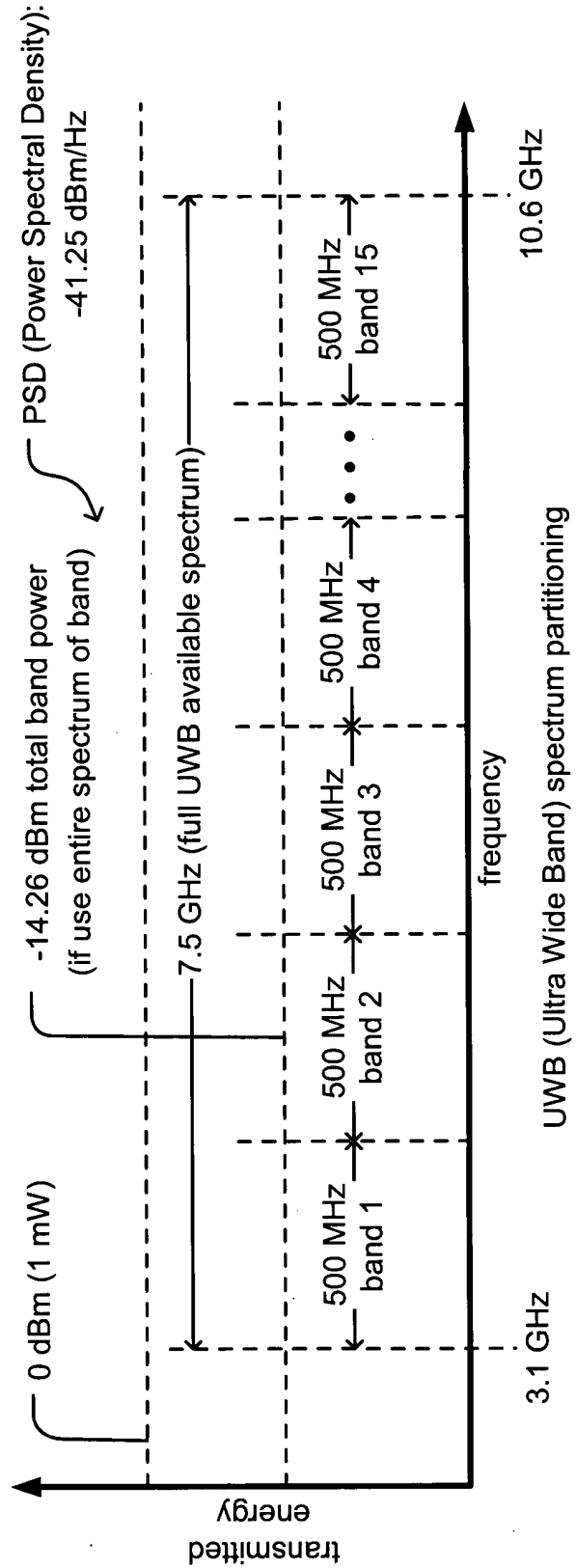


**Fig. 1A**



**Fig. 1B**

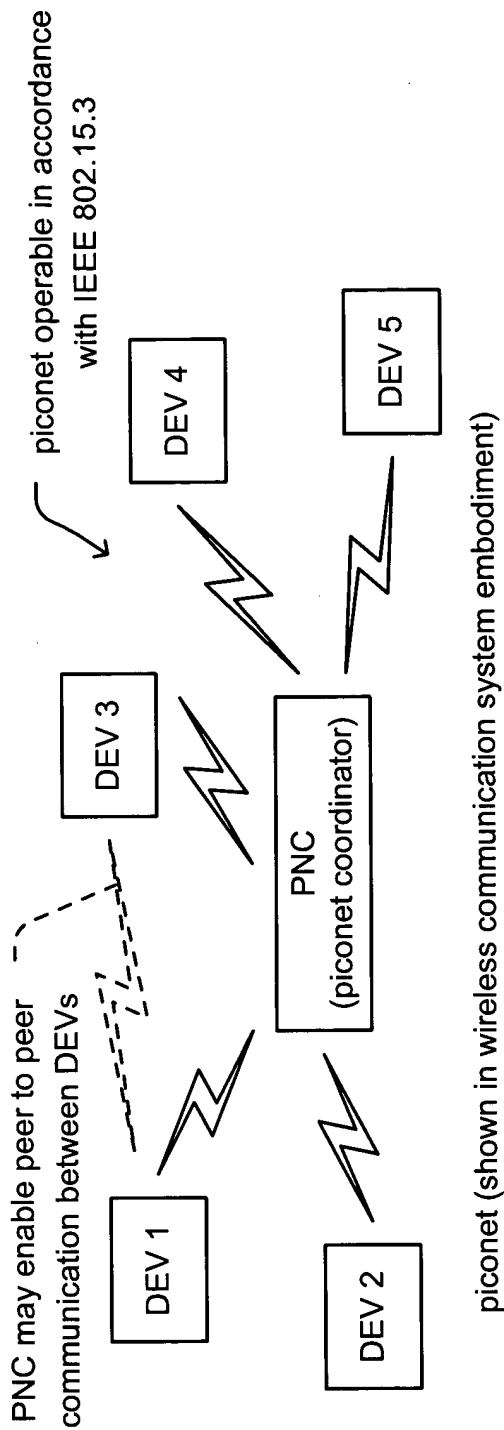


Fig. 2A

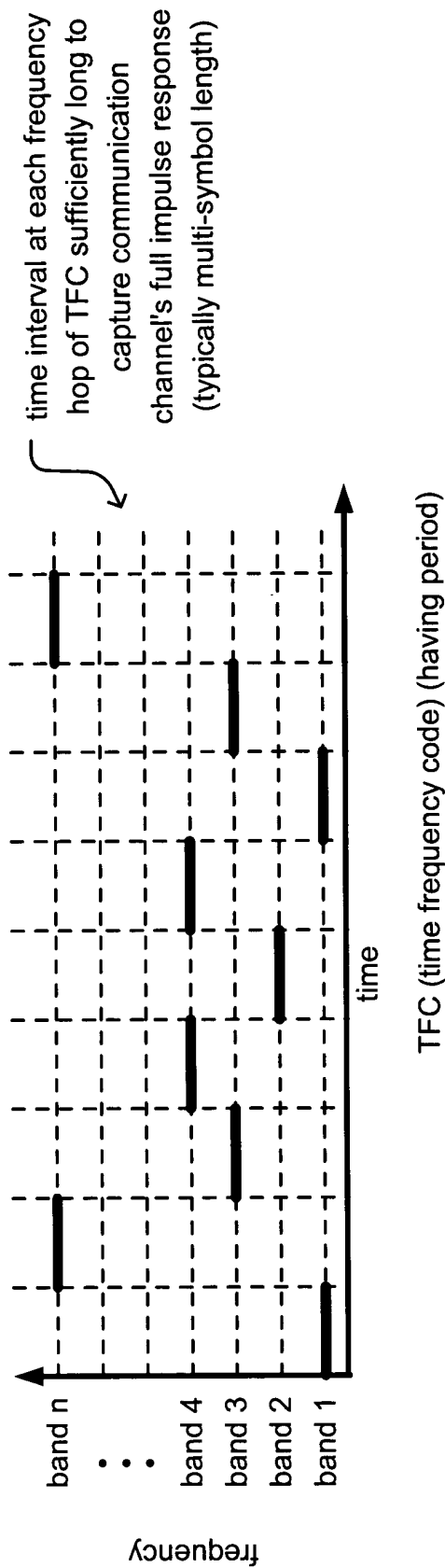
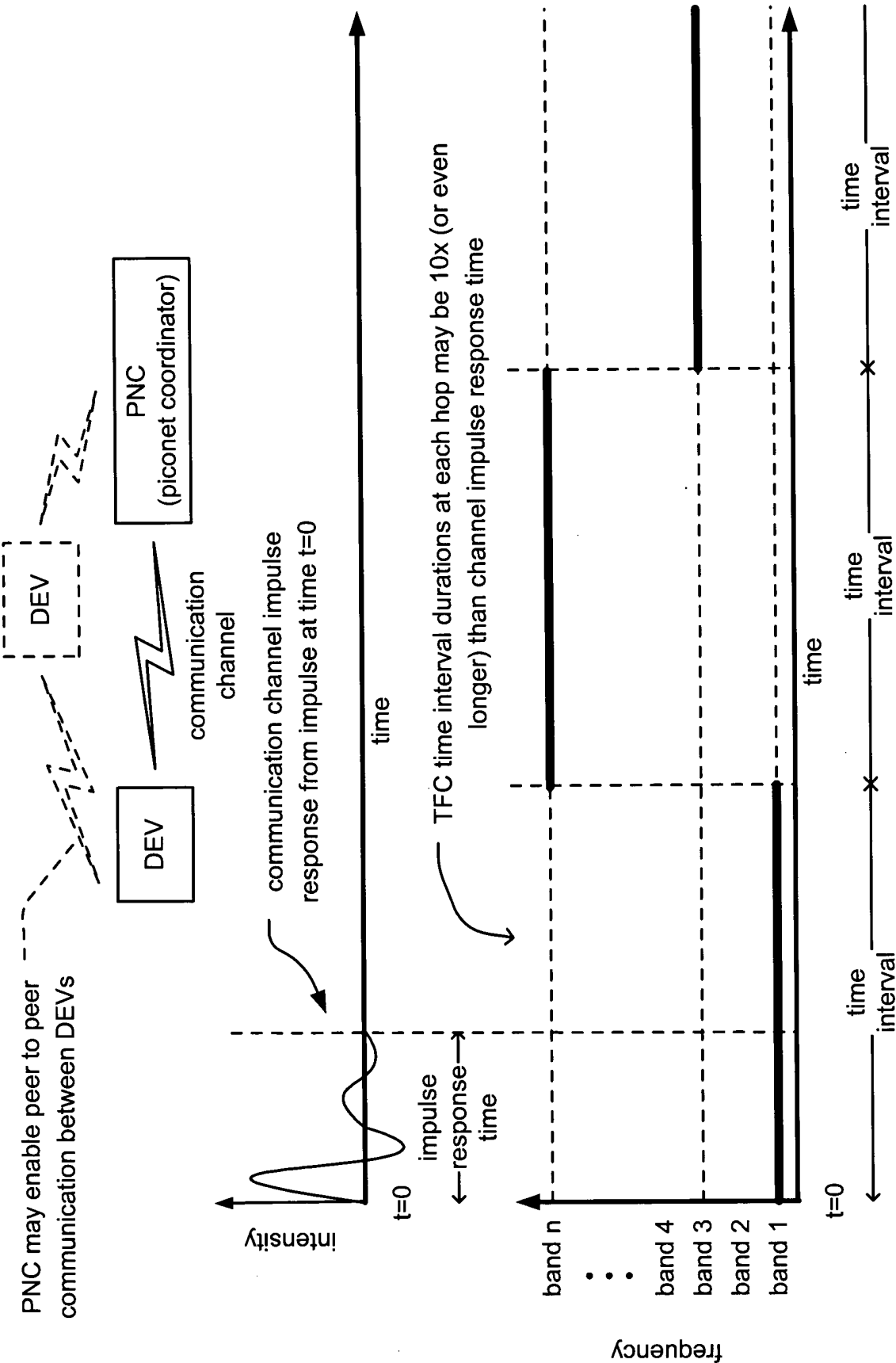
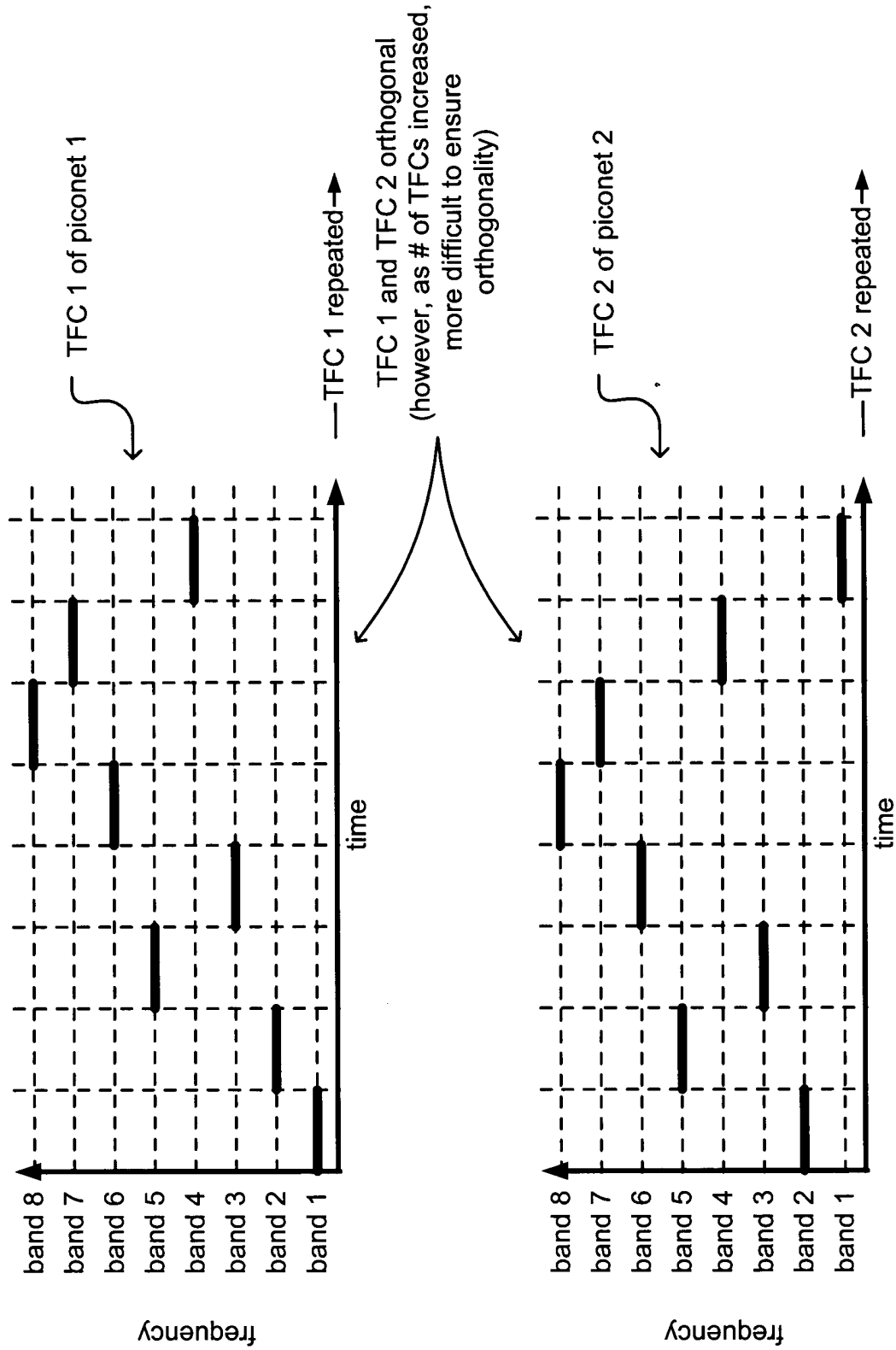


Fig. 2B



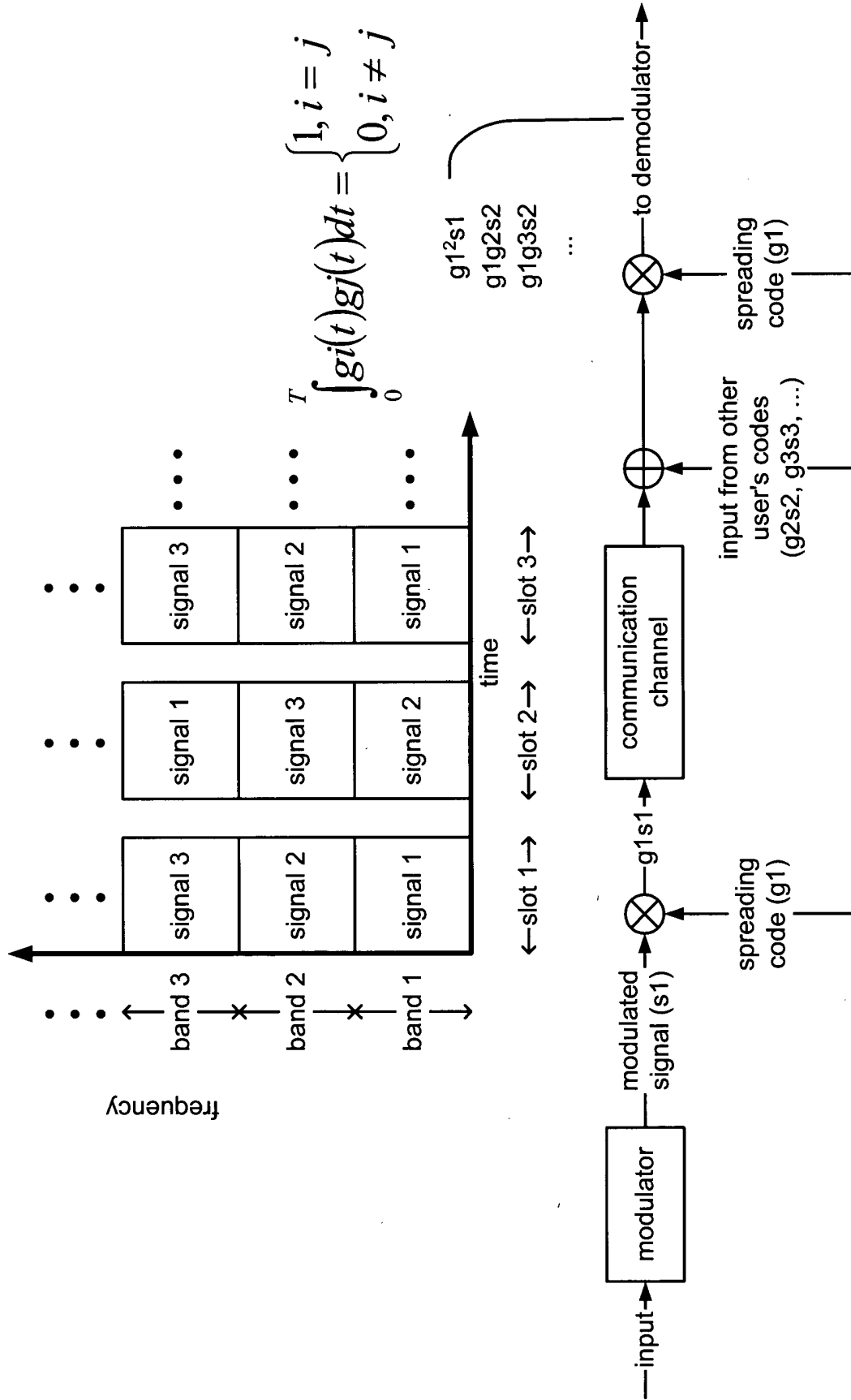
TFC (time frequency code) frequency hop time intervals compared to communication channel impulse response

**Fig. 3**



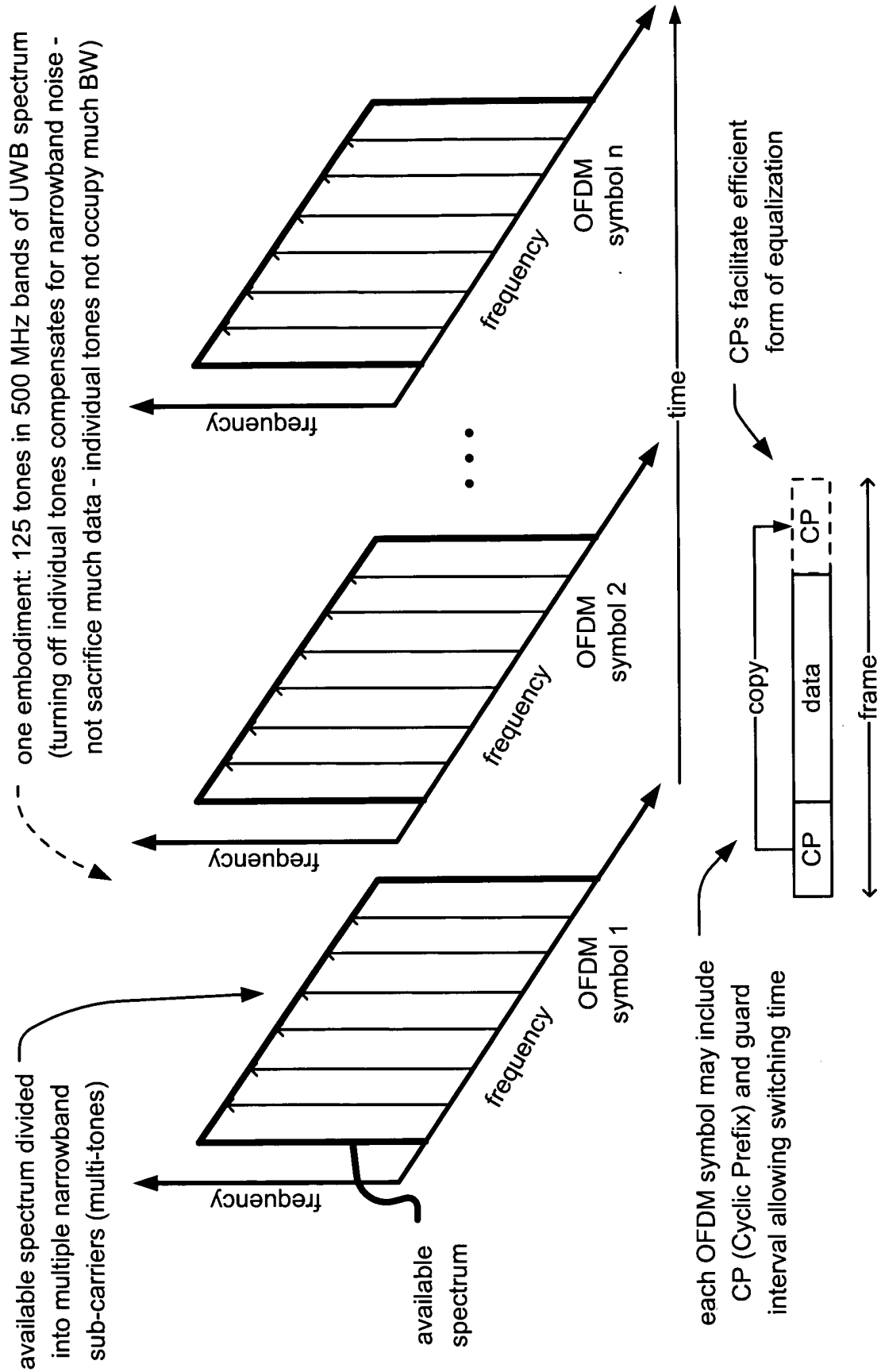
TFC (time frequency code)

**Fig. 4**



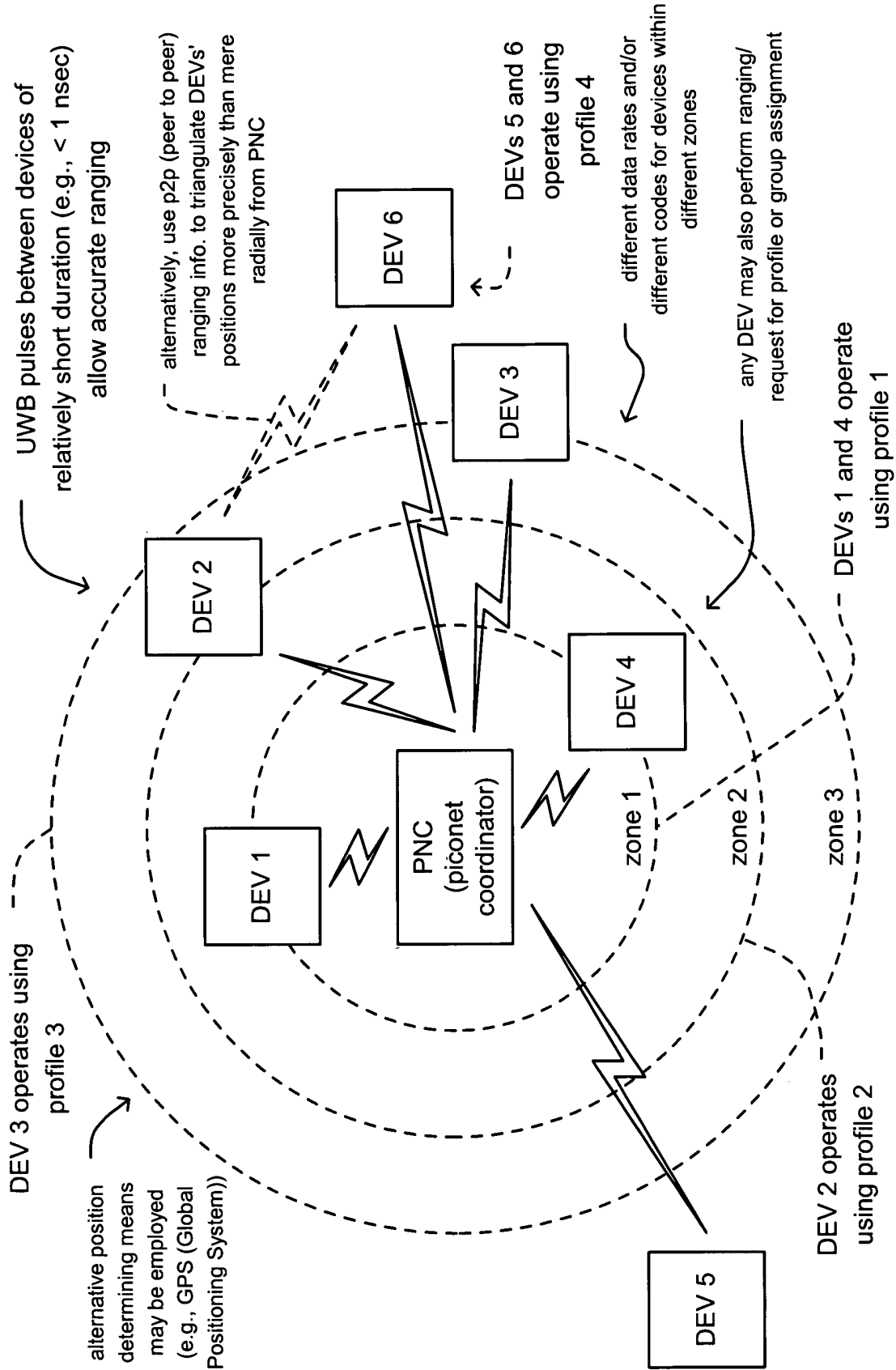
CDMA (Code Division Multiple Access)

**Fig. 5**



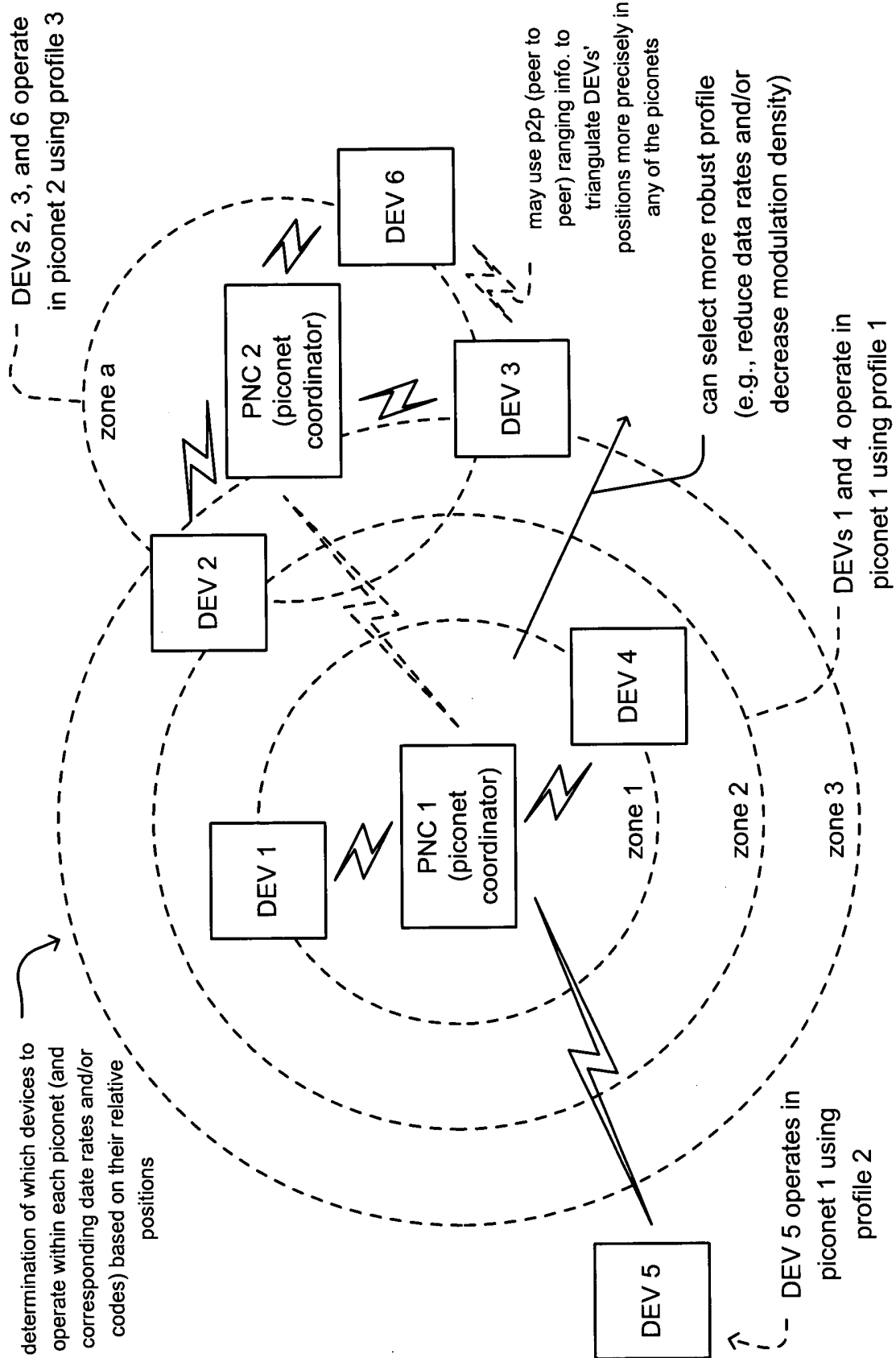
OFDM (Orthogonal Frequency Division Multiplexing) modulation

**Fig. 6**



position based intra-piconet management (shown in a radial embodiment)

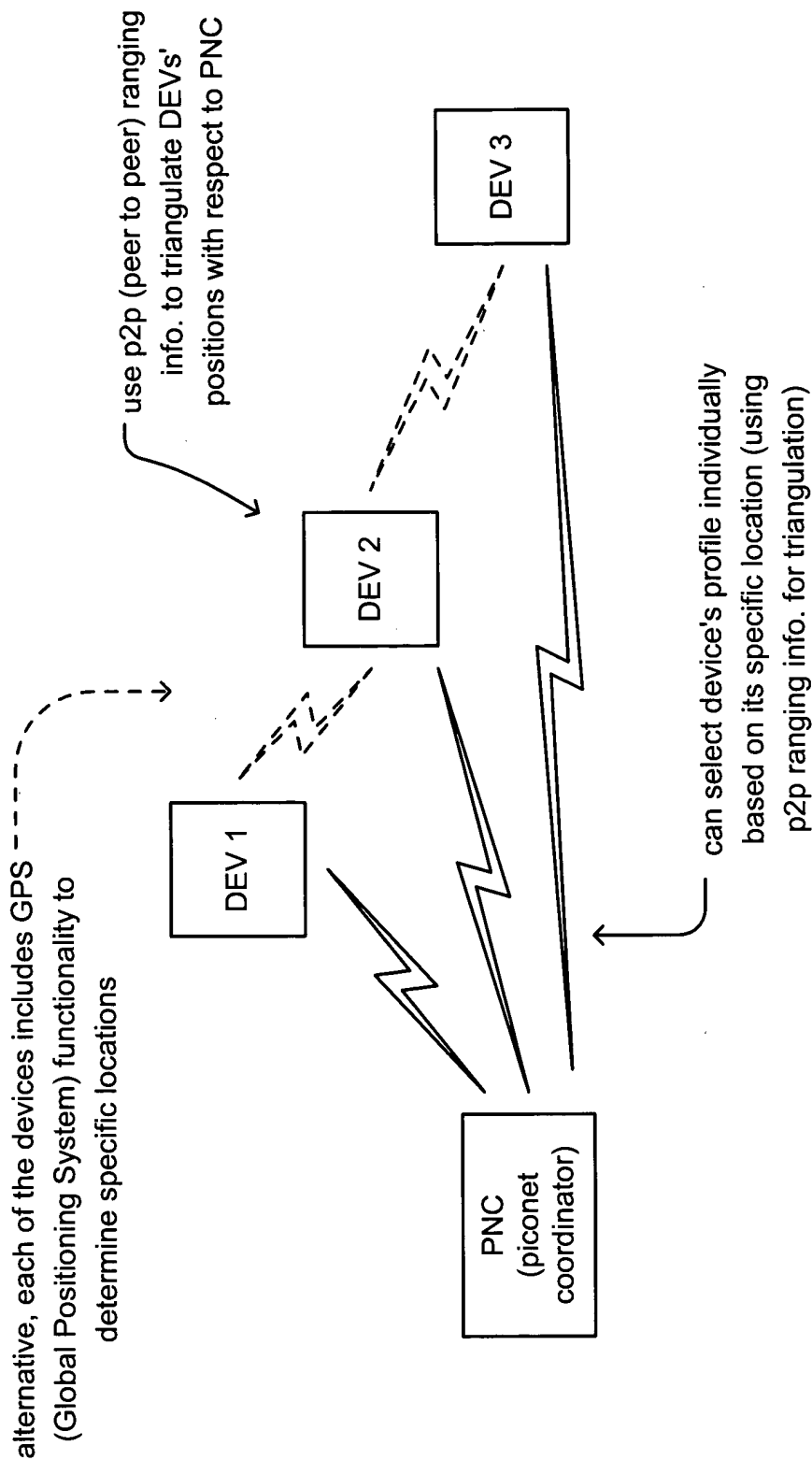
**Fig. 7**



position based inter-piconet management (shown in a radial embodiment)

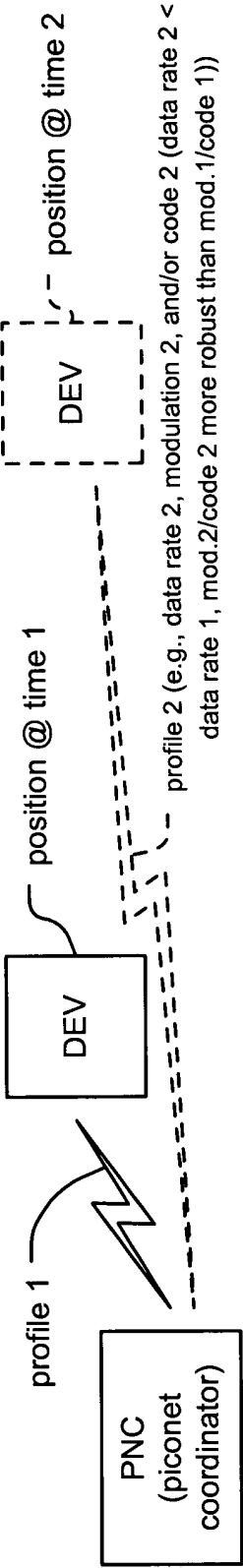
**Fig. 8**





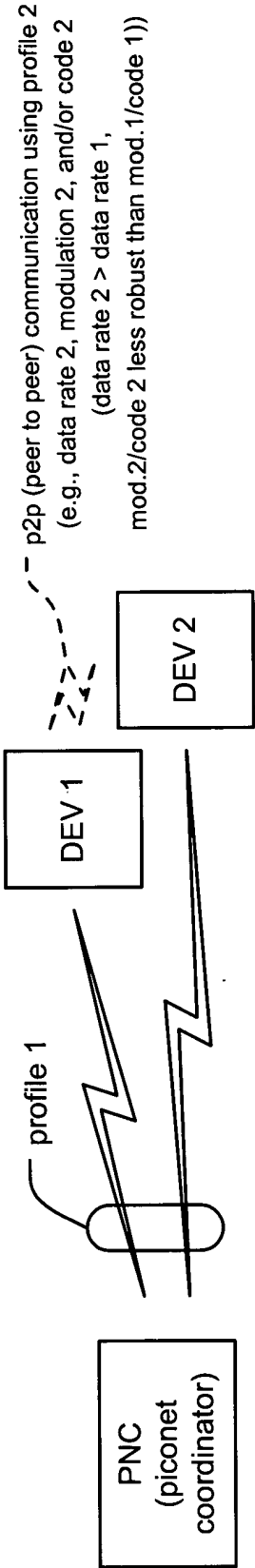
position based intra-piconet management (shown using triangulation)

**Fig. 9**



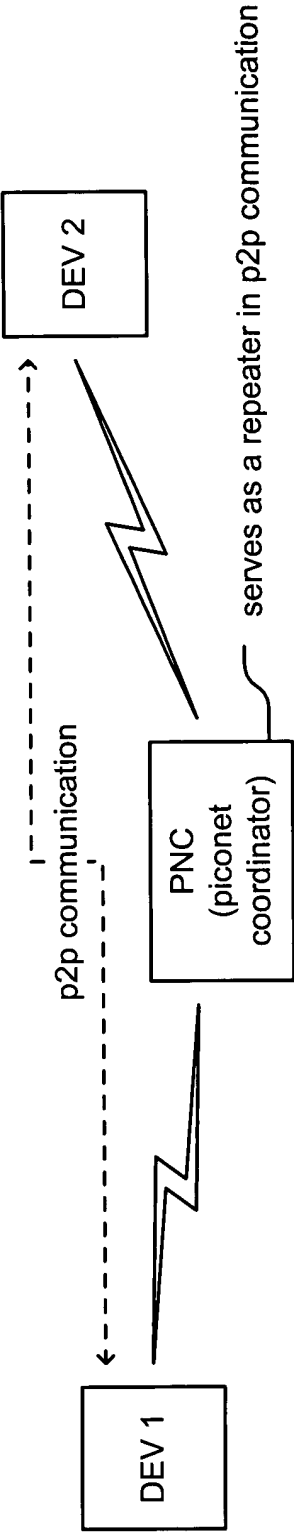
profile modification based on change in relative positions

**Fig. 10A**



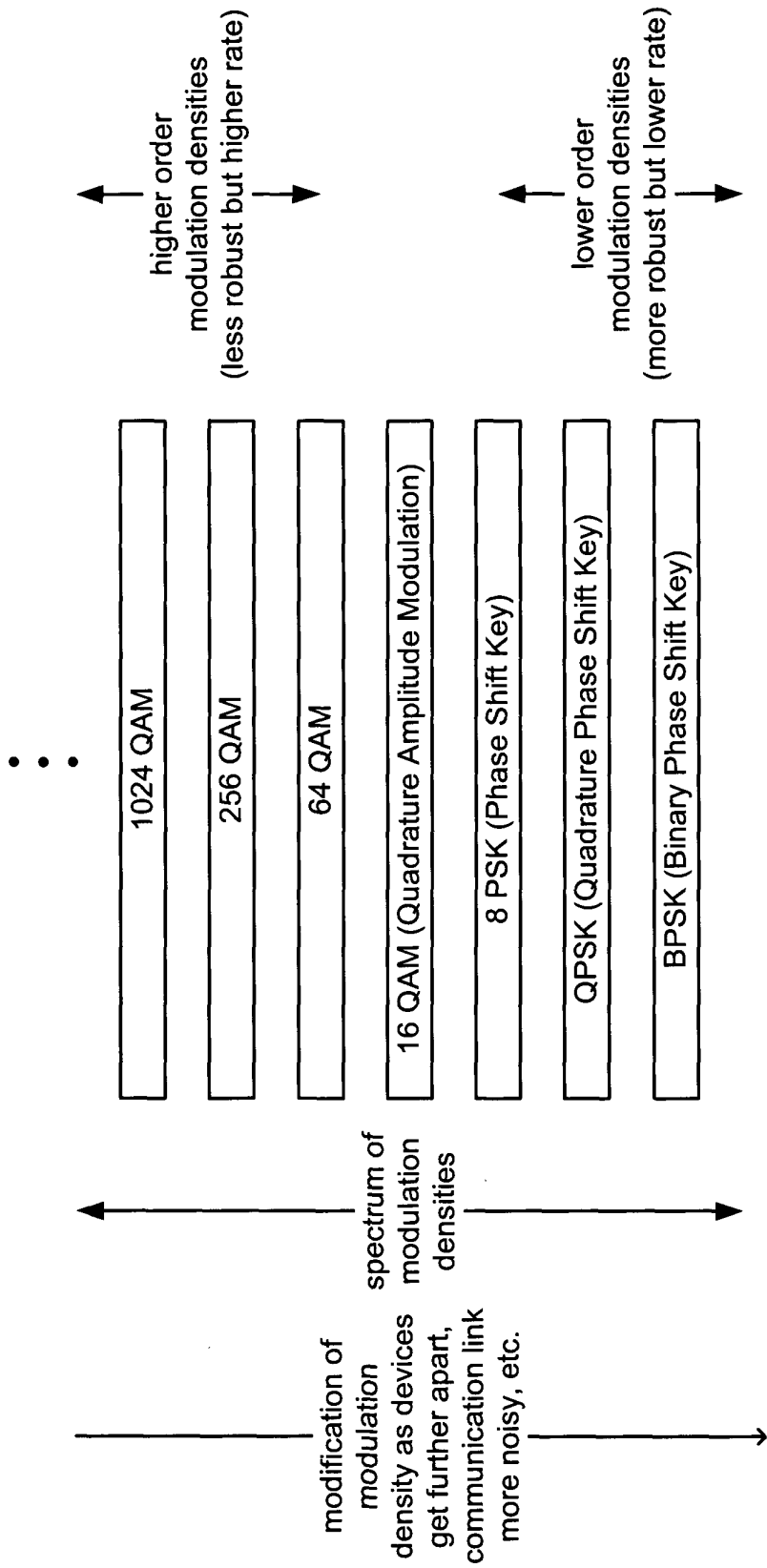
PNC sets up p2p (peer to peer) communication based on relative positions of DEVs

**Fig. 10B**



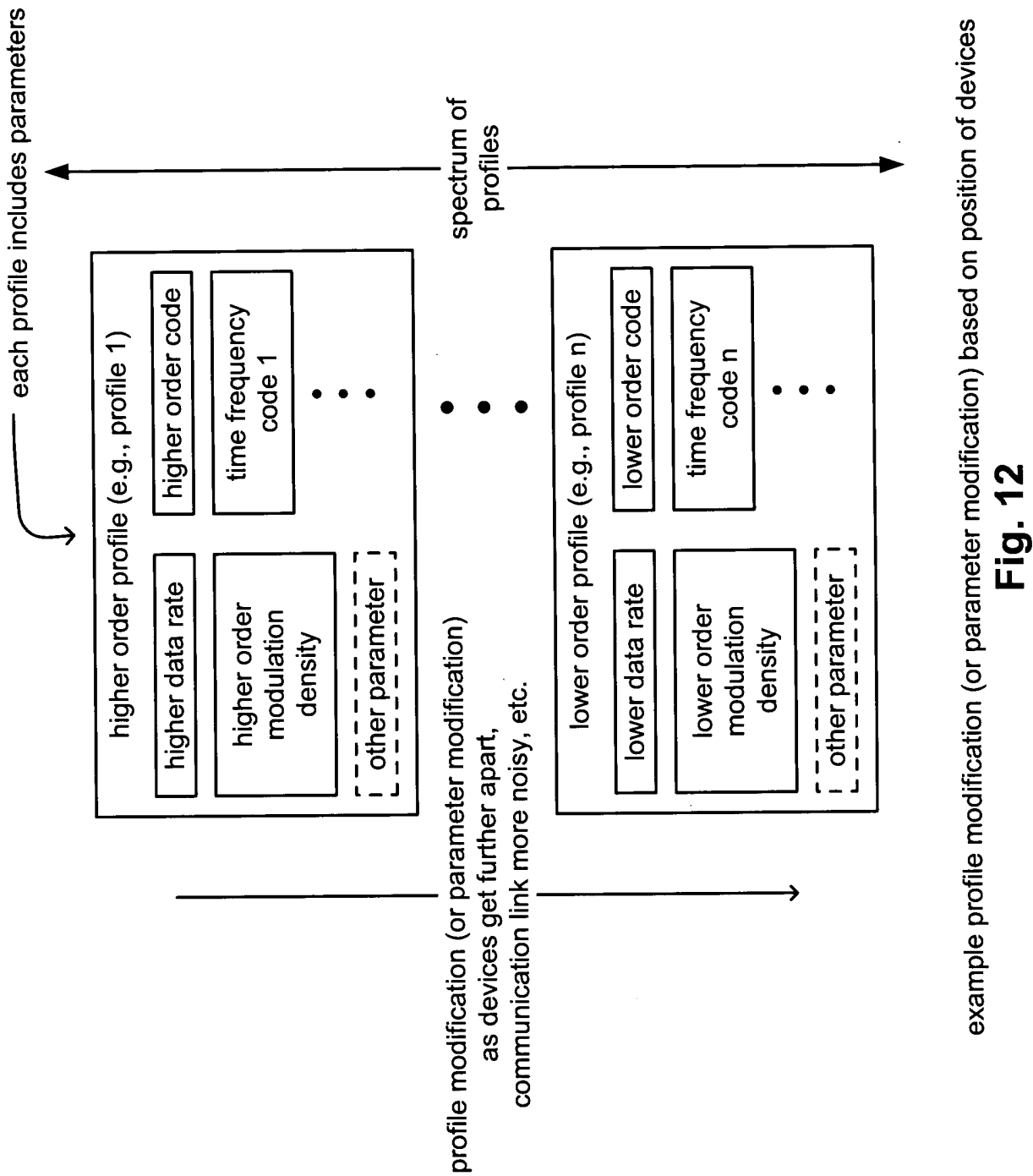
position based intra-piconet management

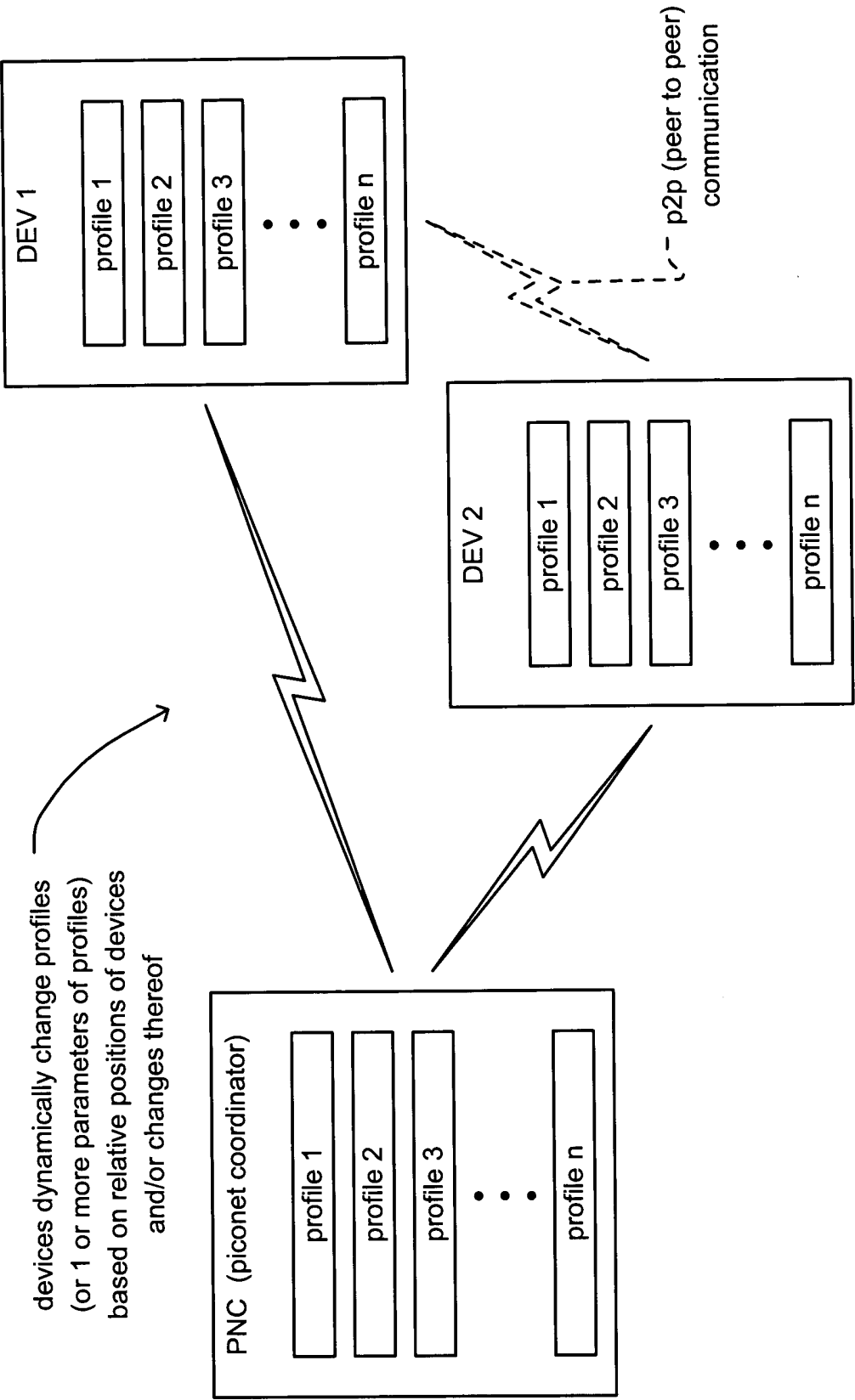
**Fig. 10C**



example modulation density modification based on position of devices

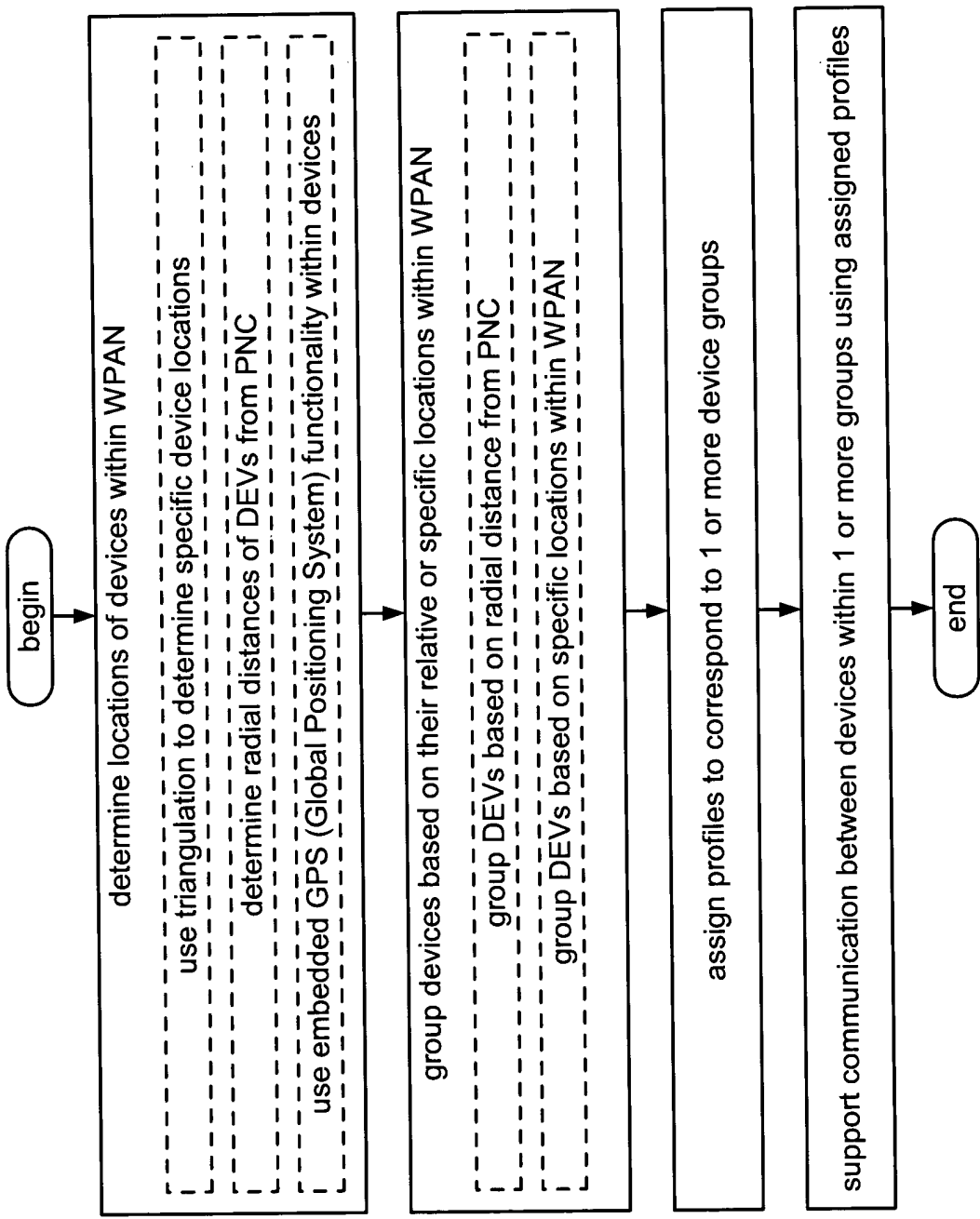
**Fig. 11**





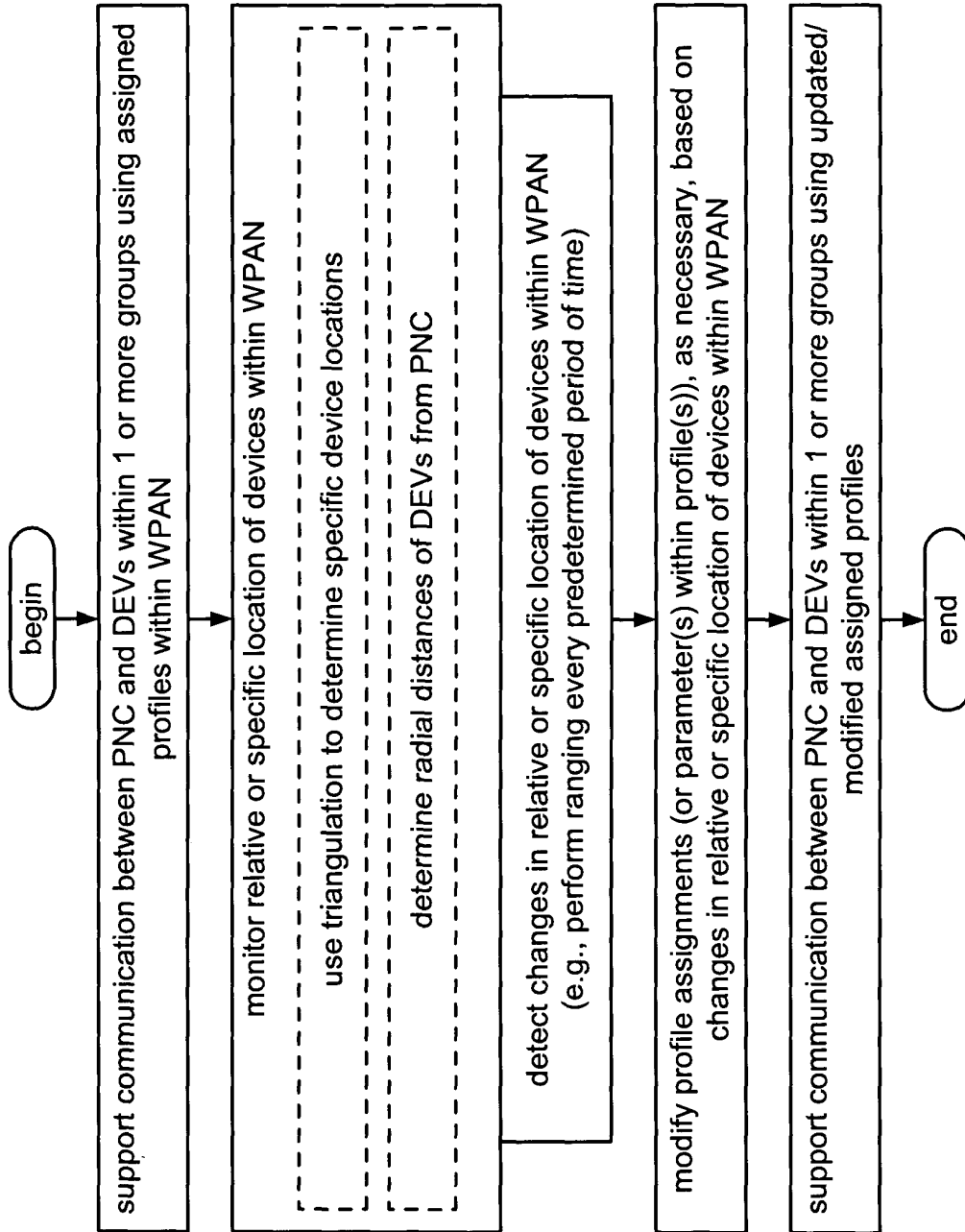
predetermined, finite set of profiles (and corresponding parameters) stored within devices

**Fig. 13**



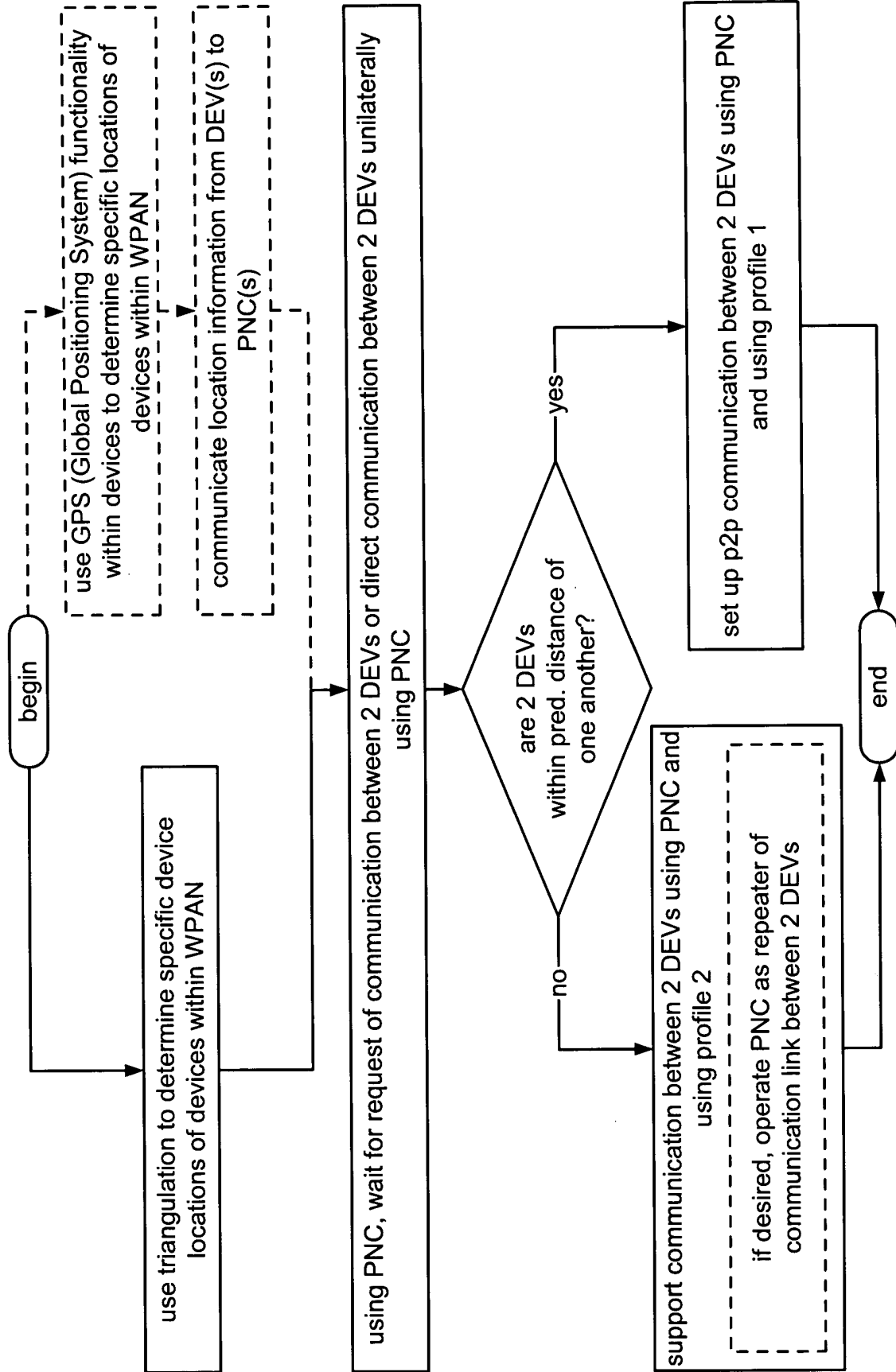
WPAN (Wireless Personal Area Network) management method

**Fig. 14**



WPAN (Wireless Personal Area Network) management method

**Fig. 15**



WPAN (Wireless Personal Area Network) management method

**Fig. 16**